



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Rueckes et al.
Serial No. : 10/033,323 ✓
Filed : December 28, 2001
TC/Art Unit : 2824
Examiner : Wilson, Christian D.

Confirmation No. 9664

Docket No. : 112020.127/NAN-4

Title : **ELECTROMECHANICAL THREE-TRACE JUNCTION DEVICES**

Customer No. : 23483

*See
3/18/04
Response
3/22/04*

*#7
new
3/25/04*

CERTIFICATION UNDER 37 CFR § 1.8(a)

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1-26-04
Date of Deposit

Tina M. Dougal
Tina M. Dougal

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

COMMENTS TO REASONS FOR ALLOWANCE

Sir:

Responsive to the Notice of Allowability mailed October 24, 2003, Applicants respectfully request that the following comments in response to the Examiner's reasons for allowance be entered.

Match and Return

Lieber et al. discloses memory circuits with nanotubes. None of the prior art discloses ribbons of nanotubes.

Respectfully submitted,

Date: 1-26-04



Peter M. Dichiaro
Registration No. 38,005
Attorney for Applicants

Hale and Dorr LLP
60 State Street
Boston, MA 02109
Telephone: (617) 526-6466
Facsimile: (617) 526-5000



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Thomas Rueckes et al.
Serial No.: 10/033,323 Examiner: Wilson, Christian D.
Filed: December 28, 2001 Group Art Unit: 2824
For: Electromechanical Three-Trace Junction Devices
Atty Docket No.: 112020.127 /NAN-4

CERTIFICATE UNDER 37 CFR 1.8(a)

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Tina M. Dougal

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

SUBMISSION OF FORMAL DRAWINGS


Sir:

As required in the Notice of Allowability mailed October 24, 2003, enclosed herewith in connection with the above-identified application are 24 sheets formal drawings representing Figures 1-18b-1 through 18b-3.

No fee is believed to be due in connection with this matter. In the event of a fee deficiency, the Commissioner is hereby authorized to debit any underpayment or credit any overpayment to Deposit Account No. 08-0219.

Respectfully submitted,

Dated: January 26, 2004


Peter M. Dichiaro
Registration No. 38,005
Attorney for Applicants

Hale and Dorr LLP
60 State Street
Boston, Massachusetts 02109
(617) 526-6466 (telephone)
(617) 526-5000 (facsimile)



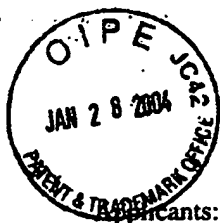
TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/033,323
	Filing Date	12/28/2001
	First Named Inventor	Rueckes et al
	Art Unit	2824
	Examiner Name	Wilson, Christian D
Total Number of Pages in This Submission	Attorney Docket Number	112020.127/NAN-4

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input checked="" type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	- Postcard
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	1. PTOL-85 (Original and Copy)	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	2. Submission of Formal Drawings (Transmittal Letter)	
	3. Request for Initialed Information Disclosure Statements	
	4. Comments to Reasons for Allowance	
	5. Amendment Pursuant to 37 CFR 1.312	
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Peter M. Dichiaro	
Signature		
Date	01/26/2004	

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Tina M. Dougal		
Signature		Date	01/26/2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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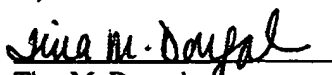


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Thomas Rueckes et al.
Serial No.: 10/033,323 Examiner: Wilson, Christian D.
Filed: December 28, 2001 Group Art Unit: 2824
For: Electromechanical Three-Trace Junction Devices
Atty Docket No.: 112020.127 /NAN-4

CERTIFICATE UNDER 37 CFR 1.8(a)

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Tina M. Dougal

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

REQUEST INITIALED INFORMATION DISCLOSURE STATEMENTS

Sir:

Upon review of the Notice of Allowability mailed on October 24, 2003 for the above application, the undersigned became aware that an initialed copy of the Information Disclosure Statements, specifically forms PTO-1449 filed July 10, 2003, July 30, 2003, and August 6, 2003 have to-date not been returned.

A supplemental Notice of Allowability acknowledging the references provided in the Information Disclosure Statements identified above is hereby respectfully requested.

Respectfully submitted,

Dated: January 26, 2004



Peter M. Dichiaro
Registration No. 38,005
Attorney for Applicants

Hale and Dorr LLP
60 State Street
Boston, Massachusetts 02109
(617) 526-6466 (telephone)
(617) 526-5000 (facsimile)

ATT B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

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Alexandria, Virginia 22313-1450
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

7590

10/24/2003

Peter M. Dichiaro
Hale and Dorr LLP
60 State Street
Boston, MA 02109



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Tina M. Dougal	(Depositor's name)
<i>Tina M. Dougal</i>	(Signature)
January 26, 2004	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/033,323	12/28/2001	Thomas Rueckes	112020.127 (NAN-4)	9664

TITLE OF INVENTION: ELECTROMECHANICAL THREE-TRACE JUNCTION DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$665	\$300	\$965	01/26/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
WILSON, CHRISTIAN D	2824	257-001000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. Hale and Dorr LLP

2. _____

3. _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

Nantero, Inc.

Woburn, Massachusetts

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
- ☒ Publication Fee
- ☒ Advance Order - # of Copies 10

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 08-0219 (enclose an extra copy of this form).

Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature) <i>Peter M. Dichiaro</i>	(Date) Jan. 26, 2004
Patent No. <u>798,005</u>	
NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.	
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02/02/2004 RNDXDAF2 00000032 080219 10033323

01 FC:2501 665.00 DA
02 FC:1504 300.00 DA
03 FC:18001 30.00 DA

TRANSMIT THIS FORM WITH FEE(S)



EE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 995.00

Complete if Known

Application Number	10/033,323
Filing Date	12/28/2001
First Named Inventor	Rueckes et al.
Examiner Name	Wilson, Christian D.
Art Unit	2824
Attorney Docket No.	112020.127/NAN-4

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number
Deposit Account Name

08-0219

Hale and Dorr LLP

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☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

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FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	2001	770	385	Utility filing fee	
1002	2002	340	170	Design filing fee	
1003	2003	530	265	Plant filing fee	
1004	2004	770	385	Reissue filing fee	
1005	2005	160	80	Provisional filing fee	
SUBTOTAL (1)					(\$)
					0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	X	
Multiple Dependent	-3** =	X	
		0	0

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
1202	2202	18	9	Claims in excess of 20	
1201	2201	86	43	Independent claims in excess of 3	
1203	2203	290	145	Multiple dependent claim, if not paid	
1204	2204	86	43	** Reissue independent claims over original patent	
1205	2205	18	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$)
					0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	2053	130	Non-English specification	
1812	2,520	2812	2,520	For filing a request for ex parte reexamination	
1804	920*	2804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	2805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	2451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	665.00
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	2460	130	Petitions to the Commissioner	
1807	50	2807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	2806	180	Submission of Information Disclosure Stmt	
8021	40	28021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	2802	900	Request for expedited examination of a design application	
Other fee (specify) Publn. & 10 Soft Copies					330.00

*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 995.00

SUBMITTED BY

Name (Print/Type)	Peter M. Dichiaro	Registration No. (Attorney/Agent)	38,005	Telephone	(617) 526-6466
Signature		Date	01/26/2004		

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